

#151C
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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re: Application of: Dresch et. al
Serial No.: 09/808,468
Art Unit: 2881
Examiner: K. T. Nyguen
Filing Date: March 14, 2001
For: Ion Storage Time-Of-Flight
Mass Spectrometer
Attorney Docket No. 840.066.202

May 22, 2003

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Assistant Commissioner for Patents
Washington, D.C. 20231

AMENDMENT

Sir:

In response to the Examiner's Office Action of November 29, 2002 please enter the following amendment:

IN THE CLAIMS:

Please amend claim 11 as follows:

11. (Amended) An apparatus for analyzing chemical species comprising:
a time-of-flight mass analyzer with an ion pulsing region and a detector,
an ion source for producing ions from said chemical species,
a two-dimensional multipole ion guide having an entrance end where ions enter said ion guide from said ion source and an exit end where ions exit said ion guide,
said two-dimensional multipole ion guide functioning as a two-dimensional ion trap,
wherein said two-dimensional multipole ion guide comprises a plurality of spaced apart rods parallel to each other and extending from said entrance end to said exit end,
means for pulsing said ions transferred into said pulsing region into said time-of-flight mass analyzer for mass analysis,
and means for detecting said mass analyzed ions.